

Permit Fact Sheet

Permit No. 52-1-841
Company: Klean Waters, Inc.
Evaluated by: MH
Engineer
Checked by: RS
Engineering Supervisor
Data Entry by: MH Date: 1/9/2013
Clerk

DESCRIPTION OF FACILITY OPERATIONS:

1) Industrial Process Description

Klean Waters, Inc. operates a centralized wastewater treatment facility in Griffith, Indiana. This facility is their west coast startup. Only nonhazardous, non-RCRA materials will be accepted at the site. Klean Waters will employ an in-house laboratory for sampling and analysis of all incoming loads of wastewater, and will create waste "profiles" for their customers in accordance with standard industry practice.

2) Wastewater-generating Operations

Typical waste streams for processing and treatment include clarifier pumpouts, carwash water, parking lot cleaning wastewater, coolants, metal working fluids, petroleum tank washout waters, food-grade wastewaters, catch basin wash waters, equipment wash waters, quench waters, industrial organic soap rinsewaters, alkaline and acidic wash waters, contaminated groundwater, organic chemical wastewaters, and other oily / contaminated wastewaters. The facility expects to accept, treat, and discharge 25,000 gpd initially (five 5000-gallon truckloads), and ramp up to approximately 100,000 gpd.

3) Pretreatment Description

Wastewater is trucked into the plant and unloaded into one of two 6500-gallon unloading tanks. From there, the solutions are pumped to one of eight 6000-gallon storage tanks. Wastewater is subsequently pumped to one of ten process tanks for treatment with caustic, sulfuric, aluminum sulfate, and cationic or anionic polymers (stored in 220-gallon bulk tanks) as required. Process tanks are equipped with mixers and instrumentation, and operated from a central control panel. After treatment, solids are settled in one of two 9000-gallon settling tanks. Solids are returned and solidified in one of two pits, while supernatant liquid is discharged through an effluent meter to the sewer.

PTS Evaluation (in relation to compliance history):

The Centralized Waste Treatment category (40 CFR 437) has multiple wastestream subcategories (metals, oils, and organics) which apply to this permit. Centralized waste treatment facilities permitted earlier incurred sporadic violations for chrome and copper during the first few years of operation. For this reason, chrome and copper monitoring will be required monthly. This company is very familiar with the requirements of 40 CFR 437 and with wastewater treatment operations in general, and also appears to be well-funded. Compliance with all constituents is expected.

ORACLE DATA ENTRY FORM

Permit No. 52-1-841	Permit Date 1/1/2013	Expiration Date 12/31/2014
Company Name KLEAN WATERS, INC.		Initial Issue Date 1/1/2013
COMPANY INFORMATION		
Mailing Address 28465 OLD TOWN FRONT ST., SUITE 224	Responsible Officer TIM MILLER	
City, State Zip TEMECULA, CA 92590	Title PRESIDENT	
Sewer Address 314 W. FREEDOM AVE.	Designated Signatory TIM MILLER	
City, State Zip ORANGE, CA 92865	Title PRESIDENT	
Voice Phone (951) 595-6800	Designated Signatory properly authorized? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Fax Phone (951) 676-1666	Copy of check (Permit Fee) submitted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
CATEGORY		
<input type="checkbox"/> Aluminum Forming <input type="checkbox"/> Electrical & Electronic <input type="checkbox"/> Electropl & PCs < 10k <input type="checkbox"/> Metal Finishing PSNS <input type="checkbox"/> Organics Chem PSES <input type="checkbox"/> Soap & Det Mfg <input type="checkbox"/> Battery Manufacturing <input type="checkbox"/> Electropl-Precs > 10k <input type="checkbox"/> Industrial Laundry <input type="checkbox"/> Metal Mold & Casting <input type="checkbox"/> Pharmaceutical Part D <input type="checkbox"/> _____ <input type="checkbox"/> CSDOC <input type="checkbox"/> Electropl & PCs > 10k <input type="checkbox"/> Metal Finishing PSES <input type="checkbox"/> Non-Ferrous Metals <input type="checkbox"/> Pulp & Paper		
<input checked="" type="checkbox"/> Centralized Waste Treatment A,B,C		
Combined Wastestream? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Sub-category _____ + _____ + _____	
OPTIONAL FIELDS		
<input type="checkbox"/> Use attached sheet to enter permit limits for production-based category, combined wastestreams or both. <input checked="" type="checkbox"/> Use attached sheet to enter CSDOC self-monitoring requirements or other special self-monitoring requirements. <input type="checkbox"/> Use attached sheet to enter batch volume, process flow meter, or effluent flow meter reporting requirements. <input type="checkbox"/> See Permit Fact Sheet for Special Permit Conditions. <input type="checkbox"/> No Special Permit Conditions.		
SAMPLING POINT LOCATION		
The above effluent limits apply at the sampling point located <u>in the middle of the north wall</u> .		
The sample point is <u>a below-ground sump</u> and represents all industrial wastewater discharged from the facility.		
MISCELLANEOUS INFORMATION		HISTORY FIELDS
Engineer MH	New Permit Flow Base .025 MGD	Date 1/1/2013 Existing Flow Base NA MGD
Inspector TBD	Work Days Per Year 260	Date 1/1/2013
Map Number 12C4	Work Hours (wtd ave) 10	Date 1/1/2013 Part 1A/1B pages req'd? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Local Sewer CITY OF ORANGE	No. of Employees 2	Date 1/1/2013 Effective date for Part 1B NA
Sampling Requirement <input type="checkbox"/> 1 (Districts) <input type="checkbox"/> 2 (SMR) <input checked="" type="checkbox"/> 3 (Districts + SMR) <input type="checkbox"/> Blank (Not Required)	WWAR Meter Type <input type="checkbox"/> meter book updated? <input type="checkbox"/> City Meter <input type="checkbox"/> Process Meter <input checked="" type="checkbox"/> Effluent Meter <input type="checkbox"/> Batch Discharger	User Charge Meter Type <input type="checkbox"/> meter book updated? <input type="checkbox"/> City Meter <input type="checkbox"/> Process Meter <input checked="" type="checkbox"/> Effluent Meter <input type="checkbox"/> Batch Discharger
NAICS 562219	WWAR Percent Loss 0 %	User Charge Percent Loss 0 %
Trunk SARI	WWAR Fixed Loss NA MGY	User Charge Fixed Loss NA MGY
Status <input type="checkbox"/> Blank <input type="checkbox"/> N/A	WWAR Reported Loss NA MGY	User Charge Reported Loss NA MGY
Released for Data Entry: Engr MH Date 10/31/2012 Data Entry: Clerk MH Date 10/31/2012 QA/QC: Clerk _____ Date _____		

ALL FIELDS MUST BE FILLED IN! PUT N/A IF NOT APPLICABLE.

Permit No. 52-1-841 Company Name: KLING STUBBINS WATERS, INC.
 Effective Date: 1/1/2013

DATA ENTRY FORM FOR OPTIONAL FIELDS

PERMIT LIMITS FOR PRODUCTION-BASED CATEGORY, COMBINED WASTESTREAM FORMULA, OR BOTH

Constituents	Effective Date	Code P, C, B	Concentrations, mg/l			Mass Emission, lbs/day		
			Daily	4-Day	Monthly	Daily	4-Day	Monthly
Arsenic								
BOD								
CN(A)								
CN(T)								
Cadmium								
Chromium								
Copper								
Dissolved S								
Lead								
Mercury								
Nickel								
Oil & Grease								
PCB								
Pesticides								
Silver								
Total Sulfide								
Total Toxic Organics								
Zinc								

CSDOC SELF-MONITORING REQUIREMENTS AND/OR ADDITIONAL SELF-MONITORING REQUIREMENTS FOR CATEGORICAL PERMITTEES

Constituents	Sample Type	Monitoring Frequency	Reason*	Effective Date	End Date
Heavy Metals: Silver	C or G	D W M Q S	ROUTINE	1/1/2013	12/31/2014
Cadmium	C or G	D W M Q S	ROUTINE	1/1/2013	12/31/2014
Chromium	C or G	D W M Q S	ROUTINE	1/1/2013	12/31/2014
Copper	C or G	D W M Q S	ROUTINE	1/1/2013	12/31/2014
Nickel	C or G	D W M Q S	ROUTINE	1/1/2013	12/31/2014
Lead	C or G	D W M Q S	ROUTINE	1/1/2013	12/31/2014
Zinc	C or G	D W M Q S	ROUTINE	1/1/2013	12/31/2014
BOD	C or G	D W M Q S	USE FEES	1/1/2013	12/31/2014
TSS	C or G	D W M Q S	USE FEES	1/1/2013	12/31/2014
Oil & Grease (M)	C or G	D W M Q S	ROUTINE	1/1/2013	12/31/2014
Total Toxic Organics (Method 624 & 625)	C or G	D W M Q S	ROUTINE	1/1/2013	12/31/2014
Cyanide, Total or Amenable [circle one]	C or G	D W M Q S	ROUTINE	1/1/2013	12/31/2014
Antimony, Arsenic, Cobalt, Mercury	C or G	D W M Q S	ROUTINE	1/1/2013	12/31/2014
Tin, Titanium, Vanadium	C or G	D W M Q S	ROUTINE	1/1/2013	12/31/2014

*Reasons: Routine, Enforcement, ECSA, Probation, Use Fees

REPORTING REQUIREMENTS FOR METER READINGS

Constituents	Monitoring Frequency	Effective Date	End Date
Effluent Meter Read (for User Charges only)	M		
Process Meter Read (for User Charges only)	M		
Batch Read (for User Charges only)	M		

FLOW BASE EVALUATION Existing Permit Flow Base: NA gpd Issue at: 25,000 gpd

Justification: Discharge is expected to be approximately 25,000 gpd initially (5 truckloads of 5000 gallons each).

Flow Measurement Evaluation: NA

Is there a discrepancy among District's sampling, self-monitoring, & Reconciliation? (see Flow Study) ☐ Yes ☐ No

What is the magnitude of the largest difference? _____ %

If yes, what are the reason(s) for the discrepancy?

- ☐ The number of meters being read varies.

Details: _____

- ☐ One data point threw the average sampling flow off.

Details: _____

- ☐ Company discharges less frequently than number of days worked.

Details: _____

- ☐ Discharge configuration.

Details: _____

- ☐ Other _____

Describe: _____

Resolution: _____

DETERMINATION OF LOSSES

A	Square Footage of Landscaped Area (ft ²)		Loss Factor [25 gal/ft ² /yr]		Number of Days per Year			Losses [gal/day]
			25	÷	365		=	
B	Boiler Horsepower based on 80% of boiler rating		Loss Factor [3.6 gal/hr/hp]		Number of Operating hours/day			
		X	3.6	X			=	
C	Cooling Tower (Hundred Design Tons)		Loss Factor [2.5 gal/min/100 design tons]		Number of Operating hours/day		Conversion Factor [60 min/hr]	
		X	2.5	X		X	60	=
TOTAL								NA

Losses for Wastewater Analysis Reports: Existing: NA Issue at: 0%

Standard loss for effluent meter.

Losses to be applied for User Charges: Existing: NA Issue at: 0%

Standard loss for effluent meter.

SELF-MONITORING REQUIREMENTS FOR CSDOC CATEGORY OR SPECIAL REQUIREMENTS FOR CATEGORICALS

From the effective date of the permit and until the permit is terminated or revised, Permittee shall monitor its wastewater discharge for the following parameters at the indicated frequency:

☐ This table is not applicable. Standard Categorical requirements apply.

Parameters	Measurement Frequency	Sample Type ^a
Heavy Metals:		
Cadmium	Quarterly	Composite
Chromium	Monthly	Composite
Copper	Monthly	Composite
Lead	Quarterly	Composite
Nickel	Quarterly	Composite
Silver	Quarterly	Composite
Zinc	Quarterly	Composite
Cyanides:		
CN(T)	Quarterly	Composite
Total Toxic Organics:		
624	Semi-annually	four (4) grab samples which must be individually analyzed
Bis (2-ethylhexyl) phthalate	Quarterly	Composite
Fluoranthene	Quarterly	Composite
Carbazole	Quarterly	Composite
n-Decane	Quarterly	Composite
n-Octadecane	Quarterly	Composite
2,4,6-Trichlorophenol	Quarterly	Composite
2-Methylphenol	Quarterly	Composite
4-Methylphenol	Quarterly	Composite
Others:		
BOD	Quarterly	Composite
TSS	Quarterly	Composite
Oil & Grease Min.	Quarterly	four (4) grab samples which may be combined by the laboratory personnel prior to analysis
Arsenic	Quarterly	Composite
Mercury	Quarterly	Composite
Antimony	Quarterly	Composite
Cobalt	Quarterly	Composite

SPECIAL CONDITIONS

- ☐ No Special Conditions apply
- ☒ Wastewater Discharge Permit Meter Condition(s) apply
- ☐ BAT PTS Installation Condition or Alternative Measures Option apply
- ☐ Alternative Measures Compliance Requirements Condition apply

- ☐ Permittee shall implement any and all steps and measures (including, but not limited to, the installation of pretreatment equipment/technology, and/or the implementation of best management practices/pollution prevention measures, waste minimization measures, and process modifications) necessary to attain long-term compliance with the permitted discharge limits. If non-compliance occurs, Permittee will be required to install a pretreatment system (equivalent to or better than Best Available Technology (BAT)) as specified in Attachment 120.

Rationale: _____

- ☐ Permittee shall comply with the reporting requirements for production data as specified in Attachment 150 and submit the data
 - ☐ annually by _____
 - ☐ no later than the following dates after each quarter: April 15, July 15, October 15, and January 15.**(NOTE: You must specify the production data required.)**

Rationale: _____

- ☐ Permittee shall comply with the Wastewater Treatment Operator requirement as specified in Attachment 135.

Rationale: _____

- ☐ Permittee shall submit a Plot Plan as specified in Attachment 100, Manufacturing Process Layout as specified in Attachment 105, and Spill Containment Drawing and Information as specified in Attachment 125 by _____.

Rationale: _____

- ☐ Permittee shall submit an Operations and Maintenance (O&M) manual in accordance with the District's guidelines as specified in Attachment 138. The manual shall be reviewed annually and updated as necessary by Permittee. The manual shall be made available for District's review upon request.

Rationale: _____

- ☐ Permittee shall comply with the Wastewater Discharge Log Requirements as specified in Attachment 175 and submit the data as requested by the District.

Rationale: _____

- ☐ Permittee shall comply with the Wastewater Discharge Log Requirements as specified in Attachment 180, maintain the log onsite, and make it available upon the District's request.

Rationale: _____

- ☐ Permittee shall comply with the Wastewater Discharge Log Requirement as specified in Attachment 175 and submit the data as requested by the District.

Rationale: _____

- ☐ Permittee shall notify the District before discharging industrial wastewater.

Rationale: _____

Permit No. 52-1-841

Company Name: KLEAN WATERS, INC.

Effective Date: 1/1/2013

WASTEWATER DISCHARGE PERMIT METER CONDITION(S) DATA ENTRY FORM

☐ **1. BATCH**

Permittee shall measure, either by the use of a meter or a batch discharge tank, the total MONTHLY volume of industrial batch discharges to the sewer for the purpose of determining accurate billing of user charges and submit a report to the District on the 20th of the following month using the report form that will be provided to Permittee each month. Failure to receive a form from the District does not exempt Permittee from obtaining and submitting flow data for that period.

Permittee shall measure only the volume of industrial water and shall exclude all domestic water. If a flow meter is used to measure the flow, Permittee shall ensure accuracy by routine inspections, maintenance, and calibration in accordance with **Attachment 161** (Effluent Flow Meter and Calibration Requirements). If a batch discharge tank is used to measure the discharge to the sewer, Permittee shall provide all necessary tank level and flow measurement instrumentation to determine accurately the volume discharged to the sewer. All batch discharge tanks and instrumentation shall be routinely inspected and maintained.

☐ **2. PROCESS**

Permittee shall obtain MONTHLY readings of the industrial water for the purpose of determining accurate billing of user charges and submit a report to the District on the 20th of the following month using the report form that will be provided to Permittee each month. Failure to receive a form from the District does not exempt Permittee from obtaining and submitting flow data for that period.

The process meter must measure only the industrial water and shall exclude all domestic water. To ensure accuracy, all process meters used must be routinely inspected and maintained in good condition.

☐ **3A. EFFLUENT METER INSTALLATION**

Permittee shall install an effluent meter in accordance with the guideline specified in Attachment 156 by

☒ **3B. EFFLUENT METER READINGS**

Permittee shall obtain MONTHLY readings of the industrial wastewater volume discharged to the sewer for the purpose of determining accurate billing of user charges and submit a report to the District on the 20th of the following month using the report form that will be provided to Permittee each month. Failure to receive a form from the District does not exempt Permittee from obtaining and submitting flow data for that period.

☒ **4. CALIBRATION**

Permittee shall comply with the effluent meter calibration reporting as specified in **Attachment 161**.

A. Open-Channel

If Permittee uses an open-channel meter, the following schedule must be used for calibration and reporting of the data.

Type of Calibration	Report Due Date
Hydraulic	_____
Instrument	_____
Hydraulic	_____

(the report must be submitted with the permit renewal application)

B. In-Pipe

If Permittee uses an in-pipe meter, the following schedule must be used for calibration and reporting of the data.

Type of Calibration	Report Due Date
Hydraulic	11/1/2013
Hydraulic	11/1/2014

(the report must be submitted with the permit renewal application)

CHANGE IN SAMPLING REQUIREMENTS

Company Name: Klean Waters, Inc.
Permit No.: 52-1-841 Category: Centralized Waste Treatment A,B,C
Engineer: MH Date: 1/9/2013

SAMPLE REQUIREMENTS		
Quarter	Old Requirements	New Requirements
1	NA	HM, Antimony, Arsenic, Cobalt, Mercury, Tin, Titanium, Vanadium, 624/625, O&G-M, BOD/TSS
2	NA	HM, Antimony, Arsenic, Cobalt, Mercury, Tin, Titanium, Vanadium, 624/625, O&G-M, BOD/TSS
3	NA	HM, Antimony, Arsenic, Cobalt, Mercury, Tin, Titanium, Vanadium, 624/625, O&G-M, BOD/TSS
4	NA	HM, Antimony, Arsenic, Cobalt, Mercury, Tin, Titanium, Vanadium, 624/625, O&G-M, BOD/TSS

☒ New Permit

Issue date: 1/1/2013

Effective quarter/year: 3rd Quarter FY2012/13

☐ Existing Permit

Effective quarter/year: _____

Reason for the change:

Initiated by: MH 1/9/2013
Engineer Date

Approved by: RS 1/24/13
Engineering Supervisor Date

Data Entered by: MH 1/24/13
Clerk Date

c: William Cassidy
Jamie Malpede

SEWER ADDRESS: 314 W. FREEDOM AVENUE, ORANGE 92865

Sort
Clear All

**ESTIMATED YEARLY USAGE
FOR NEW PERMITTEES
Class I or II**

Company Name <u>KLEAN WATERS, INC.</u>	Permit No. <u>52-1-841</u>
Service Address <u>314 FREEDOM AVE., ORANGE, CA 92865</u>	

FLOW	Volume Million Gallons	BOD mg/l	TSS mg/l
<u>.020 MG/day</u>	<u>5.2</u>	<u>500</u>	<u>100</u>

Assessor Parcel Numbers: <u>37445303</u>	Company is: <input type="checkbox"/> property owner <input checked="" type="checkbox"/> lessee	If a lessee, % of property tax bill paid to landowner <u>100%</u> % of water bill paid to the landowner <u>NA</u> Sq. ft. of leased space <u>27,000</u> Part of a commercial/industrial complex <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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Meter to be used for User Charges: <input type="checkbox"/> City Meter <input type="checkbox"/> Process Meter <input checked="" type="checkbox"/> Effluent Meter

For City Meters only when used for User Charges		
Water Account Numbers:	Units	Use of Meter
	<input type="checkbox"/> gal <input type="checkbox"/> cu ft <input type="checkbox"/> 10 gal <input type="checkbox"/> 10 cu ft <input type="checkbox"/> 100 gal <input type="checkbox"/> 100 cu ft	<input type="checkbox"/> L/S <input type="checkbox"/> Domestic <input type="checkbox"/> Industrial
	<input type="checkbox"/> gal <input type="checkbox"/> cu ft <input type="checkbox"/> 10 gal <input type="checkbox"/> 10 cu ft <input type="checkbox"/> 100 gal <input type="checkbox"/> 100 cu ft	<input type="checkbox"/> L/S <input type="checkbox"/> Domestic <input type="checkbox"/> Industrial
	<input type="checkbox"/> gal <input type="checkbox"/> cu ft <input type="checkbox"/> 10 gal <input type="checkbox"/> 10 cu ft <input type="checkbox"/> 100 gal <input type="checkbox"/> 100 cu ft	<input type="checkbox"/> L/S <input type="checkbox"/> Domestic <input type="checkbox"/> Industrial
	<input type="checkbox"/> gal <input type="checkbox"/> cu ft <input type="checkbox"/> 10 gal <input type="checkbox"/> 10 cu ft <input type="checkbox"/> 100 gal <input type="checkbox"/> 100 cu ft	<input type="checkbox"/> L/S <input type="checkbox"/> Domestic <input type="checkbox"/> Industrial
	<input type="checkbox"/> gal <input type="checkbox"/> cu ft <input type="checkbox"/> 10 gal <input type="checkbox"/> 10 cu ft <input type="checkbox"/> 100 gal <input type="checkbox"/> 100 cu ft	<input type="checkbox"/> L/S <input type="checkbox"/> Domestic <input type="checkbox"/> Industrial
	<input type="checkbox"/> gal <input type="checkbox"/> cu ft <input type="checkbox"/> 10 gal <input type="checkbox"/> 10 cu ft <input type="checkbox"/> 100 gal <input type="checkbox"/> 100 cu ft	<input type="checkbox"/> L/S <input type="checkbox"/> Domestic <input type="checkbox"/> Industrial
	<input type="checkbox"/> gal <input type="checkbox"/> cu ft <input type="checkbox"/> 10 gal <input type="checkbox"/> 10 cu ft <input type="checkbox"/> 100 gal <input type="checkbox"/> 100 cu ft	<input type="checkbox"/> L/S <input type="checkbox"/> Domestic <input type="checkbox"/> Industrial
	<input type="checkbox"/> gal <input type="checkbox"/> cu ft <input type="checkbox"/> 10 gal <input type="checkbox"/> 10 cu ft <input type="checkbox"/> 100 gal <input type="checkbox"/> 100 cu ft	<input type="checkbox"/> L/S <input type="checkbox"/> Domestic <input type="checkbox"/> Industrial
	<input type="checkbox"/> gal <input type="checkbox"/> cu ft <input type="checkbox"/> 10 gal <input type="checkbox"/> 10 cu ft <input type="checkbox"/> 100 gal <input type="checkbox"/> 100 cu ft	<input type="checkbox"/> L/S <input type="checkbox"/> Domestic <input type="checkbox"/> Industrial

FOR ACCOUNTING USE ONLY		Total Value:
Tax Credit:	\$	Basic Levy:
Special Use Assessment:	\$	Tax Rate Area:
TOTAL TAX CREDIT:	\$	TRA Factor

Source Control	Accounting
Prepared by: <u>MH</u> Date: <u>1/6/13</u>	Prepared by: _____ Date: _____
Verified by: <u>RS</u> Date: <u>1/24/13</u>	Verified by: _____ Date: _____